



***Maintenance***

***RECONCILIATION OF MUNITIONS***

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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*OPR: 944 MXS/LGMW (CMSgt J. Spaulding)	Certified by: 944 LG/CC (Colonel W. Gardner)
Supersedes 944 FWI 21-118, 19 Nov 96	Pages: 4
	Distribution: F

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This instruction implements \*AFPD 21-2, *Nonnuclear and Nuclear Munitions*. It establishes procedures for the physical control and accountability of munitions assets and captive air training missiles assigned or attached to the 944th Fighter Wing (FW). This instruction applies to all maintenance activities within the 944 FW.

***SUMMARY OF REVISIONS***

This revision changes the series number, AFPD and the office of primary responsibility (OPR); adds text to paragraph **2.2.1.**; removes ammunition loading system (ALS) (paragraphs **2.3.1.**, **2.3.2.** and **2.4.2.**); and updates **Attachment 1**. An asterisk (\*) indicates revisions from the previous edition.

**1. Responsibilities:**

- 1.1. The munitions officer, munitions and or weapons supervisors will ensure compliance.
- 1.2. Any losses or suspected thefts will be immediately reported to the munitions storage area supervisor, who will take appropriate action.

**2. Sequence of Operations:**

- 2.1. Munitions Control will direct the munitions storage section to deliver required quantities and types of munitions to the flight line. Quantities are based on information received from the weekly maintenance planning meeting and or weekly flying schedule.
- 2.2. Munitions Storage Section will:

\*2.2.1. Deliver and return required munitions to and from the flight line or Echo Row and munitions storage area (MSA) as directed by Munitions Control.

2.2.2. Inventory quantities, types, color codes, and lot numbers of munitions that are delivered to the weapons loading section. (Record on daily munitions issue/return log.)

2.2.3. Store supply point 141WS AFI 36-2217, *Munitions Requirements for Aircrew Training*, assets delivered or returned to the MSA.

2.2.4. Recount supply point AFI 36-2217 assets in MSA, as required, to assist in resolving improper counts.

2.3. Weapons Release Section will:

\*2.3.1. Down load gun systems or universal ammunitions loading system (UALS) in for maintenance into 20mm cans (M548) not to exceed 150 rounds per can.

\*2.3.2. Identify each can with AFTO Form 350, **Repairable Item Processing Tag**, and notify Munitions Control of the quantity, lot number, and UALS number and aircraft tail number if applicable.

2.4. Weapons Loading Section will:

2.4.1. Accomplish the following after the last 944 FW scheduled flight.

2.4.1.1. Return munitions not loaded on aircraft for reconciliation in accordance with AFI 36-2217 and this instruction. One safety block (c-block) and expended cart will be turned in for each expended BDU-33 bomb.

2.4.1.2. Document an AF Form 2434, **Munitions Configuration and Expenditure Document**, or locally developed form, with the serial numbers of captive missiles remaining on the flight line by aircraft tail numbers and ensure daily expenditures are documented accordingly.

2.4.1.3. Ensure weapons loading personnel meet with the munitions representative on the flight line to reconcile the AF Form 2434 or locally developed form, with the following information:

2.4.1.3.1. Total quantity of munitions expended during the flying day by type and quantity.

2.4.1.3.2. Total number of loaded munitions retained at the end of the flying day by type, quantity, and aircraft tail number.

**NOTE:** If munitions counts are incorrect, personnel and or sections concerned will recount and refigure all quantities until counts are resolved. Once reconciliation has been satisfactorily completed, the next day's munitions requirements will be issued.

2.4.1.3.3. Complete a copy of AF Form 2434 or locally developed form, showing expenditures, missile, and or acceleration monitoring assembly (AMA) flights to be left with munitions representative.

2.4.1.3.4. Tag munitions items returned for questionable serviceability with an AFTO Form 350 that is properly completed.

\*2.4.2. Ensure 20mm worksheet for the UALS, blocks 2, 3, and 5, are completed by weapons personnel and returned to MSA with the UALS. The 20mm ammunition will not be down loaded from one aircraft and up loaded into another without first being returned to the MSA for processing and inspection.

**NOTE:** Incomplete or partial up loads of 20mm will not be used. Up loads that do not clear a gun system of previously loaded ammunition and brass are considered incomplete. Up loads of empty gun systems that do not completely fill that system (510 rounds) are considered incomplete. Incomplete loads will be down loaded as soon as possible, but not later than five working days from time of up load.

CRAIG S. FERGUSON, Colonel, USAFR  
Commander

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

\*AFPD 21-2, *Nonnuclear and Nuclear Munitions*

\*AFI 21-201, *Management and Maintenance of Non-Nuclear Munitions*

AFI 36-2217, *Munitions Requirements for Aircrew Training*

\*AFRCI 21-101, *Aircraft Maintenance Guidance and Procedures*

***Abbreviations and Acronyms***

**AFPD** – Air Force Policy Directive

**AMA** – Acceleration Monitoring Assembly

**BDU** – Bomb Dummy Unit

**FW** – Fighter Wing

**mm** – millimeter

**MSA** – munitions storage area

**OPR** – office of primary responsibility

**UALS** – universal ammunitions loading system